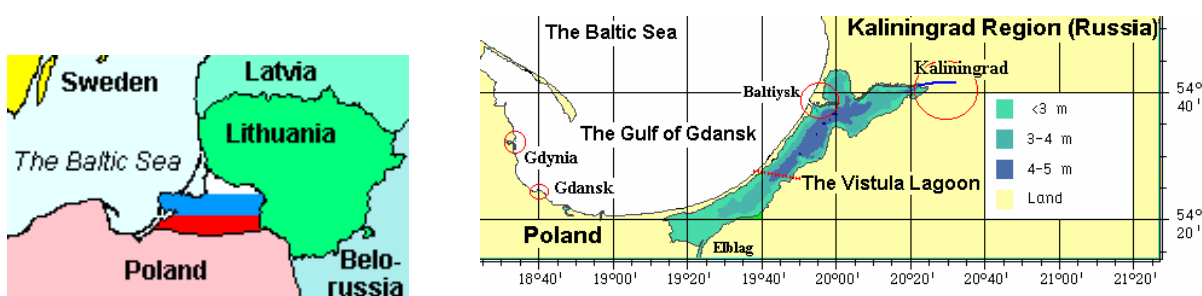


**International Conference (school-seminar)  
on the Dynamics of Coastal Zone of Non-tidal Seas,  
Baltiysk (Kaliningrad Oblast), 30 June - 05 July, 2008**

**Information Letter No 2  
15 of May 2008**

***Venue of Conference***

Russia, Kaliningrad Oblast (Province), the City of Baltiysk, Scientific Station “Baltic Spit” of the Atlantic Branch of Shirshov’s Institute of Oceanology of Russian Academy of Sciences. The station is located in the village Kosa on the Vistula Spit just near the inlet of the Vistula Lagoon. Lagoon and sea shores are in walking distance of 5-7 minutes.



***Time period:*** 30 June - 05 July, 2008

***Organizers***

Russian Foundation for Basic Researches (RFBR)

P.P.Shirshov Institute of Oceanology of Russian Academy of Sciences (IORAS)

Working Group “Sea coasts” of the Council on Problems of World Ocean of the Russian Academy of Sciences

Atlantic Branch of P.P.Shirshov Institute of Oceanology of Russian Academy of Sciences (AB IORAS)

Project CoRuNA (Coastal Russian Networking Activity) in the framework of the EU Project ENCORA

Project “Sustainable Development Indicators for South-Eastern Baltic (SDI-4-SEB)” in the framework of Neighborhood (Interreg-Tacis) Programme “Lithuania, Poland and Kaliningrad Oblast (Russian Federation)”

Immanuel Kant’s State University of Russia (IKSUR)

Federal Agency for Water Resources of the Russian Federation

Institute for Water and Ecological Problems Siberian Branch of Russian Academy of Sciences

***Scientific Committee (SC)***

Prof. Ruben Kosjan, chairman of SC - Russian coordinator of the Project CoRuNA (Coastal Russian Networking Activity) in the framework of the EU Project ENCORA, (rkosyan@hotmail.com)

Prof. Vadim Paka – Director of the Atlantic Branch of P.P.Shirshov Institute of Oceanology of Russian Academy of Sciences

Prof. Vladimir Zhmur – Russian Fund for Basic Research, Moscow University for Physics and Technology

Prof. Leonid Zhindarev –Working Group “Sea coasts” of the Council on Problems of World Ocean of the Russian Academy of Sciences, Moscow State University

Dr. Job Dromkers – ENCORA

Prof. Zbigniew Pruszek – Professor, Institute of Hydro-Engineering of Polish Academy of Sciences

Prof. Hans Kunz - Professor, Oldenburg University

Prof. Magnus Larsen - Professor, Lund University

Prof. Vladimir Gritsenko, Immanuel Kant’s State University of Russia (IKSUR)

Prof. Alexander Khabidov, Institute for Water and Ecological Problems Siberian Branch of Russian Academy of Sciences

Dr. Shvets A.A., Federal Agency for Water Resources of the Russian Federation

Dr. Boris Chubarenko, vice-chairman of SC - Chairman of Local Organizing Committee, Atlantic Branch of P.P.Shirshov Institute of Oceanology of Russian Academy of Sciences

## **Provision agenda:**

**30.06.2008, Monday**

### ***Arrival***

Arrival of lecturers and participants during the day  
18:00 Registration  
19:00 Barbeque

**01.07.2008, Tuesday**

**Topic 1 «Dynamics of the coastal zone»**, Chairman – Prof. Ruben Kosjan, local coordinator – Dr. Alexander Babakov

9:00 – 9:50 Opening, presentation of Russian Fund of Basic Research (Prof. V. Zhmur) and ENCORA Project (Job Dronkers)  
09:50 – 10:40 Dr. Tatyana Akivis<sup>1</sup> «Definitions and main dynamical processes in the coastal zone»  
10:40 – 11:10 Coffee Break  
11:10 – 12:00 Dr. Igor Leontyev<sup>1</sup> «Nearshore morphodynamics and forecast of coastal changes»  
12:00 – 12:50 Prof. Ruben Kosyan<sup>2</sup> «Sediment transport in coastal zone»  
  
12:50 – 14:30 Lunch  
14:30 – 15:20 Dr.hab. Rafal Ostrowski<sup>3</sup> “Wave deformation and breaking in the coastal zone”  
15:20 – 16:10 Prof. Hans Kunz<sup>4</sup> “Spatial coastal protection as tool for sustainable development of coastal zones”  
16:10 – 16:40 Coffee Break  
16:40 – 18:30 Poster session, topic 1 «*Dynamics of coastal zone*». 3-minutes presentations near each poster. Awarding of selected posters by Scientific Committee.  
19:00 Supper

**02.07.2008, Wednesday**

**Topic 2 «Dynamics of estuaries and lagoons»** Chairman – Prof. Gennadii Safyanov, local coordinator – Dr. Vladimir Chechko

9:00 – 9:50 Presentation of the FP7 program (Dr. Piter Davis) and the Interreg-Tacis Project SDI-4-SEB (Dr. B. Chubarenko)  
09:50 – 11:00 Prof. Gennadii Safyanov<sup>5</sup> «Morpho- and litho-dynamics of estuaries and lagoons»  
11:00 – 11:30 Coffee Break  
11:30 – 12:50 Dr. Boris Chubarenko<sup>6</sup> «Coastal lagoons: typology, hydrology and hydrodynamics»  
  
12:50 – 14:30 Lunch  
14:30 – 15:20 Dr. Georg Umgiesser<sup>7</sup> “Numerical modeling of coastal lagoons”  
15:20 – 16:10 Dr. Malgorzata Robakewicz<sup>3</sup> “Sediment transport in river mouths and estuaries”  
16:10 – 16:40 Coffee Break  
16:40 – 18:30 Poster session, topic 2 «*Dynamics of estuaries and lagoons*». 3-minutes presentations near each poster. Awarding of selected posters by Scientific Committee.  
19:00 Supper

**03.07.2008, Thursday**

**Topic 3 «Dynamics of interaction between coastal zone and the open sea»**

9:00 – 9:50 Information about current national and international projects (Prof. V. Zhmur, prof. R. Kosjan)  
09:50 – 10:40 Dr.Sci. Andrey Zatsepin<sup>1</sup> «Generation of vertexes and upwelling in the coastal zone»  
10:40 – 11:10 Coffee Break  
11:10 – 12:00 Dr. Sci. Petr Zavialov<sup>1</sup> «Dynamics of river plums in the coastal zone»  
12:00 – 12:50 Dr. Irina Chubarenko<sup>6</sup> «Water exchange between shallow and deep parts of the basin driven by convective mechanisms»  
  
12:50 – 14:30 Lunch  
14:30 – 15:30 Prof. Kolumban Hutter<sup>8</sup> (em.) “Boundary waves”  
15:30 – 16:30 Prof. Vladimir Zhmur<sup>9</sup> «Along a slope gravity currents as a mechanism of upper and deep water exchange»

16:30 – 16:50	Coffee Break
16:50 – 18:30	Poster session, topic 3 « <i>Dynamics of interaction between coastal zone and the open sea</i> ». 3-minutes presentations near each poster. Awarding of selected posters by Scientific Committee.
19:30	Closing buffet dinner

**04.07.2008, Friday**      ***Excursion to the open coast or the Vistula Lagoon, Lunch.***

**05.05.2008, Saturday**      ***Departure of participants***

- 1- P.P.Shirshov Institute of Oceanology of Russian Academy of Sciences (IORAS), Russia, Moscow
- 2- Southern Branch of P.P.Shirshov Institute of Oceanology of Russian Academy of Sciences (IORAS), Russia, Gelendzhik
- 3- Institute of Hydro-Engineering, Polish Academy of Sciences (IBWPAN), Poland, Gdansk
- 4- Oldenburg University, Germany, Oldenburg
- 5 – Moscow State University (MSU)
- 6 – Atlantic Branch of P.P.Shirshov Institute of Oceanology of Russian Academy of Sciences (IORAS), Russia, Kaliningrad
- 7 – Institute of Marine Science, National Research Council (ISMAR-CNR), Italy, Venice
- 8 – c/o Laboratory of Hydraulics, Hydrology and Glaciology, ETH Zurich, Switzerland (formerly Professor of Mechanics at Darmstadt University of Technology, head of Environmental Flows Department, Darmstadt, Germany)
- 9 – Moscow Institute (State University) for Physics and Technology (MIPT), Russia, Dolgoprudnyi

***Poster sessions:***

16:40 – 18:30      Poster session, topic 1 «*Dynamics of coastal zone*». 3-minutes presentations near each poster. Awarding of selected posters by Scientific Committee.

Kurennoy Dmitry, Ryabchuk D.	Institute of Cybernetics at Tallinn University of Technology	The litho-dynamic modeling for the coastal zone of the Gulf of Finland, Kurortny area, Saint-Petersburg
Khabidov Alexander, Marusin K., Fedorova E.	Institute for Water and Environmental Problems SB RAS	Coastal Processes in Large Man-Made Lakes
Dunaev Nikolay	P. P. Shirshov Institute of RAS	Some problems of terminology of attened a zone of land and see
Kelpšaitė Loreta	Institute of Cybernetics at Tallinn University of Technology	Value of the depth of closure at the different Lithuanian sea coast points
Zaitseva Inga	Institute of Cybernetics at Tallinn University of Technology	On long-term variations of wave conditions in the northern Baltic Sea
Vousdoukas Michalis	Department of Marine Sciences, School of Environment, University of the Aegean	Rapid Environmental Assessment in the coastal zone from Small Unmanned Aerial Vehicles (SUAV)
Volnina Olga	Russian State Hydrometeorological University	Influence of Coastal Zone changes on tourist potential for the Resort district of Saint-Petersburg
Makarov Konstantin	Sochi State University of Tourism and Recreation	About influence of underwater canyons on the wave regime in the coastal zone of the sea
Podymov Igor, Podymova Tatiana	The Southern branch of P.P.Shirshov Institute of oceanology, RAS.	Calculation of some operation factors for the acoustic multibeam device which is intended for monitoring of a bottom profile deformations.

Podymova Tatiana, Podymov Igor	The Southern branch of P.P.Shirshov Institute of oceanology, RAS.	Particular task solution as applied to spectrum analysis for time process of changing of suspended sediment concentrations
Balakin Andrey	Moscow State University	Eventual sediment waves forming mechanisms in the Caspian sea
Bobykina Valentina	Atlantic Branch of P.P.Shirshov Institute of Oceanology of Russian Academy of Sciences	The coastal morphodynamics of the Baltic Spit
Shahin V., Ivasiuk Alexander	Branch of Open Society TSNIIS «Research center «Sea coast»	Protection of destroyed coast with the impoverished stream of deposits
Krylenko Marina	The Southern Branch of P.P.Shirshov Institute of Oceanology, RAS	The small-scale turbulence impact to vertical distribution of the suspended sediment in the coastal zone
Krylenko Viatcheslav, Krylenko M.	The Southern Branch of P.P.Shirshov Institute of Oceanology, RAS	Dynamics of the artificial beach in bay Malaya (s. Anapa)
Shahin V., Volkova Ekaterina	Branch of Open Society TSNIIS «Research center «Sea coast»	Experimental researches of formations of beach recreational complexes on artificial territories
Konoplev Vladimir	Open Joint Stock Company LENMORNII PROEKT for Designing, Investigations and Scientific Research in the Field of Sea Transport	
Burnashov Evgeny	State organization of Kaliningrad oblast «Baltcoastprotection»	Photo-monitoring as an evident showing of dynamics of the coastal zone an example of the coast of Kaliningrad region
Babakov Alekcander	Atlantic Branch of P.P.Shirshov Institute of Oceanology of Russian Academy of Sciences	Vertical distribution of mass and composition of near-bottom suspension in Kaliningrad region shore by data 2006-2007yy
Babakov Alekcander	Atlantic Branch of P.P.Shirshov Institute of Oceanology of Russian Academy of Sciences	Bottom currents near the entrance moles of Baltiysk port by in-situ measurements
16:40 – 18:30	Poster session, topic 2 « <i>Dynamics of estuaries and lagoons</i> ». 3-minutes presentations near each poster. Awarding of selected posters by Scientific Committee.	
Isupova Maria	Water Problems Institut RAS	Extreme penetraion of seawater into the estuaries
Yakushev Evgeniy	Norwegian Institute for Water Researches	Oxygen deficiency and anoxic events in the coastal lagoons
Pedro Fernández Carrasco	Universidad Politécnica de Madrid	The Nador Lagoon's future
Nikolaos Kamidis, Georgios Sylaios, Vassilios A. Tsihrintzis	NAGREF - Fisheries Research Institute	Freshwater flexes and plume dinamics of nestos river, Northeast Greece - a comparison between years 2006 and 2007
Cem Senduran, Beyza Ustun	Istanbul Technical University	Hydrographic Classification of Kucukcekmece Lagoon.
Gorbunova Julia	Atlantic Branch of P.P. Shirshov Institute of Oceanology RAS	Contribution of the biotic component in the sedimentation processes in the Volga fore-delta

Sineva Anastasia, Ostapchuk A.	Moscow Institute for Physics and Technology	Analysis of streams in access duct of port Baltysk
Sorokina Vera, Ponomarenko E.	Southern Scientific Centre Russian Academy of Science	The state-of-the-art hydrological regime research in the mouth of the Don River.
Kobelyanskaya Jana	Institute of Oceanography, University of Gdansk	The yearly morphodynamic changes in the Polish coastal zone of the Vistula Spit.
Chubarenko B., Esiukova E., Chubarenko I.	P. P. Shirshov Institute of Oceanology, Atlantic Branch, Kaliningrad State Technical University	Response of the Vistula Lagoon on the Baltic Sea level rise due to climate change
Badyukova Ekaterina, Zhindarev L., Lykianova S., Solovieva G.	Moscow State University	Dynamic of the barrier-lagoon systems in the southeast Baltic
Chechko Vladimir, Kurchenko V.	Atlantic Branch of P.P.Shirshov Institute of Oceanology of Russian Academy of Sciences	
16:50 – 18:30	Poster session, topic 3 « <i>Dynamics of interaction between coastal zone and the open sea</i> ». 3-minutes presentations near each poster. Awarding of selected posters by Scientific Committee.	
Demyshev S., Dymova Olga	Marine Hydrophysical Institute NASU	Origin of eddies in running basin
Markova Natalia	Marine Hydrophysical Institute of the National Academy of Science of Ukraine	Main Features of The Black Sea Mesoscale Circulation
Nizov Sergey	Shirshov Institute of Oceanology, Russian Academy of Sciences	Laboratory study of the dynamics and structure of density current at the sloping bottom and it's interaction with the pycnocline
Shvoev Dmitry	Shirshov Institute of Oceanology, Russian Academy of Sciences	Moored Automatic Measuring System “AQUAZOND” Destinated for Vertical Profiling of the Marine Environment
Solovyev Vladimir	Shirshov Institute of Oceanology, Russian Academy of Sciences	A coastal observatory destinated for long-term continuous real-time monitoring of the marine environment
Zatsepin Andrey	Shirshov Institute of Oceanology, Russian Academy of Sciences	Wind-Driven Black Sea Dynamics And Shelf-Deep Basin Exchange
Kremenetskiy Viacheslav	Shirshov Institute of Oceanology, Russian Academy of Sciences	Nearshore Current in the Black Sea Induced by Spatial Non-Uniform Wind Impact
Matviy Svetlana	Atlantic Branch of P.P. Shirshov Institute of Oceanology RAS	Influence of coastal wind-induced upwelling on zooplankton dynamic in the near-shore zone of SE Baltic
Golenko Maria, Golenko N.	Atlantic Branch of P.P. Shirshov Institute of Oceanology RAS	Features of space structure of upwelling in coastal part of the East-South Baltic.

Golenko Nikolay, Golenko M.	Atlantic Branch of P.P. Shirshov Institute of Oceanology RAS	Structure features of hydrophysical fields in the coastal parts of sea and mechanisms of their formations (on the example of the South- East Baltic)
Gurova Evgenia	Atlantic Branch of P.P. Shirshov Institute of Oceanology of Russian Academy of Sciences	Remote sensing applications for near-shore water dynamics research on South-East Baltic
Prokhoda-Shumskih Lidia, Izmail Kantardgi	Sochi State University for Tourism and Recreation	Dynamic model for coastal sea water quality forecasting
Bodryakov Timofey, Shahverdov V.	A.P. Karpinsky Russian Geological Research Institute	

### Transport

You could reach Kaliningrad (Russia) by airplane, by bus or by train. Detailed timetable for airplanes, trains and busses you can find on the site of <http://www.russeuropa.com/> (information on a site on the Russian, English and German languages).

Timetable for international buses «Koenig-Auto» is below :

Number of bus route	Time departure from Initial point	Time arrival to Terminal point	The name of bus route	Time departure from Terminal point	Time arrival to Initial point	Fare, Rub.
248	06-00	09-30	<b>Kaliningrad - Olsztyn</b> (daily)	12-45	17-30	250
249	06-30 16-30	10-00 20-10	<b>Kaliningrad - Gdansk</b> (daily, except for Sunday)	15-30 07-00	21-00 12-45	320
247	21-00	03-30	<b>Kaliningrad - Warsaw</b> (daily, except for Saturday, Sunday)	12-00	20-20	500
217	22-40	05-45	<b>Kaliningrad – Vilnius</b> (daily)	13-15	20-35	490
239	07-00 11-15 15-00 16-30	11-17 15-32 19-38 21-08	<b>Kaliningrad – Klaipeda</b> (daily)	15-20 18-25 06-30 10-30	18-55 22-00 11-02 15-02	220
231	09-20	18-20	<b>Kaliningrad – Riga</b> (daily)	10-00	19-00	504
720	21-00	11-00	<b>Kaliningrad – Tallinn</b> (daily)	17-00	07-10	911
235	17-00	22-25	<b>Kaliningrad – Kaunas</b> (daily)	06-30	11-55	339

Timetable trains\* (time in the table is time of Moscow = Central European +2h)

Direction	From Kaliningrad				To Kaliningrad			
	number	when	Time departure	Time arrival	number	when	Time departure	Time arrival
BERLIN	8	Daily	18.36	07.45 CET	7	Daily	21.13 CET	15.45
GDYNIA	8	Daily	18.36	22.19	7	Daily	08.22 CET	15.45
MALBORG	18 Ч	Daily	09.18	12.13	17 Ч	Daily	22.35	16.18
MOSCOW	148	On even numbers	16.31	15.48	147	On odd numbers	19.05	18.02
MOSCOW	30	Daily	11.45	09.31	29	Daily	14.06	11.59
ST. PETERSBURG	80 Ч	Daily	9.49	11.20	79 Ч	Daily	18.16	20.24

You can send all your question to [Viktoria Kurchenko piwis@mail.ru](mailto:Viktoria Kurchenko piwis@mail.ru) with Subject 'CoastSchool 08'